Exhibit 23

File History Report

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PTO 892
PTO 948
PTO 1449
PTO 1474
Assignment

Additional comments

<u>Missing File Wrapper Jacket</u>

60/554,702

Fan array fan section in air-handling systems

Transaction History

Date	Transaction Description	
3/20/2004	Initial Exam Team nn	
3/26/2004	Cleared by OIPE CSR	
5/14/2004	Application Return from OIPE	
5/14/2004	Application Return TO OIPE	
5/14/2004	Application Dispatched from OIPE	
5/14/2004	Application Is Now Complete	
3/27/2005	EXPIRED PROVISIONAL	

PATENT APPLICATION SERIAL NO.

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE FEE RECORD SHEET

03/23/2004 JBRLINAN 00000096 60554702

01 FC:2005

80.00 DP

PTO-1556 (5/87)

U.S. Government Finning Office, 2001 — 481 697/59173

PTO/SB/16 (01-04)
Approved for use through 07/31/2006, OMB 0651-0032
U.S. Petent and Tredemark Office; U.S. DEPARTMENT OF COMMERCE
PROVISIONAL APPLICATION FOR PATENT COVER SHEET
This is a request for filling a PROVISIONAL APPLICATION FOR PATENT Under 37 CFR 1.53(c).

Express Mail Label No. EU122438272US

	INVENTO	R(S)							
Given Name (first and middle [if any])	Family Name or Surname		(City and		Residenca State or Foreign Country)				
Lawrence G.	Hopkins		Portla	nd,	OR				
Additional inventors are being named on theseparately numbered sheets attached hereto									
TITLE OF THE INVENTION (500 characters max)									
FAN ARRAY FAN SECTION IN AIR-HA	ANDLING SYSTEMS PRESPONDENCE ADDRESS								
NZ	MEST CHOLINGL ADDALOS	_							
26790									
OR									
Firm or Individual Name									
Address									
Address			·		· · · · · · · · · · · · · · · · · · ·				
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ENCL	OSED APPLICATION PAI	RTS (check all	that apply)						
Specification Number of Pages 3			CD(s), Number_						
Drawing(s) Number of Sheets 28		K	Other Certificat	te of E	Express Mail; &				
Application Data Sheet. See 37 CFR 1.	76		Return F		•				
METHOD OF PAYMENT OF FILING FEES	OR THIS PROVISIONAL API	PLICATION FOR	PATENT						
Applicant claims small entity status. Se	e 37 CFR 1.27.			FILING	G FEE				
A check or money order is enclosed to			_	Amou	nt (\$)				
1_		0445							
The Director is herby authorized to che fees or credit any overpayment to Dep		-2115			80				
Payment by credit card. Form PTO-20	38 is attached.								
The invention was made by an agency of the	United States Government or	under a contract	with an agency	of the					
United States Government.									
№ No.									
Yes, the name of the U.S. Government agency and the Government contract number are:									
Respectfully submitted, Date March 20, 2004									
SIGNATURE SIGNATURE	07.004								
	TYPED or PRINTED NAME Karen Dana Oster (# appropriate) Docket Number: Hunt:P2:fanarr								

TELEPHONE (503) 810-2560

TELEPHONE (503) 810-2560

USE ONLY FOR FILING A PROVISIONAL APPLICATION FOR PATENT

This collection of information is required by 37 CFR 1.51. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 8 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, hould be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Provisional Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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FAN ARRAY FAN SECTION IN AIR-HANDLING SYSTEMS

BACKGROUND OF INVENTION

The present invention is directed to a fan array fan section utilized in an 5 air-handling system.

BRIEF DESCRIPTION OF THE SEVERAL VIEWS OF THE DRAWINGS

The figures include a 22 page brochure entitled "Fan Wall Technology," a bar graph of the Coplanar Silencer Package, and photos of an exemplary 10 implementation of the Coplanar Silencer Package.

DETAILED DESCRIPTION OF THE INVENTION

The present invention elaborates on the information provided in U.S. Provisional Patent Application Serial Number 60/456,413, filed March 20, 2003 (entitled 15 FAN ARRAY FAN SECTION IN AIR-HANDLING SYSTEMS) and PCT Patent Application Serial Number _____, filed March 19, 2004 (entitled FAN ARRAY FAN SECTION IN AIR-HANDLING SYSTEMS). The present application is based on and claims priority from these applications, the disclosures of which are hereby 20 expressly incorporated herein by reference.

The present application is further described in the attached figures including the 22 page brochure entitled "Fan Wall Technology," the bar graph of the Coplanar Silencer Package, and the photos of an exemplary implementation of the Coplanar Silencer Package.

A fan wall incorporating a silencer package has the relative effectiveness shown in the attached bar graph. The figures from the graph show the relative effectiveness of the Coplanar Silencer option fitted to a 20 inch diameter fan array

Page 1

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The following table shows the performance of the Coplanar Silencer compared to a conventional 3 foot silencer.

Octave Band	63	125	250	500	1000	2000	4000	8000
36" Splitter Package	7	12	16	28	36	36	28	17
Coplanar Silencer - FWT	8	10	15	12	5	12	11_	5

5

10

Some of the benefits of using the Coplanar Silencer include (1) No added airway length for splitters; (2) No pressure drop; and (3) Relatively low cost

Notice the Coplanar Silencer rivals a 36" traditional silencer in the first three octave bands. Above that, the traditional silencer is more effective. It should be noted that measurements above the 5 dB reduction at 1000 Hz may be even more promising.

The terms and expressions that have been employed in the foregoing specification are used as terms of description and not of limitation, and are not intended to exclude equivalents of the features shown and described or portions of them. The scope of the invention is defined and limited only by the claims that follow.

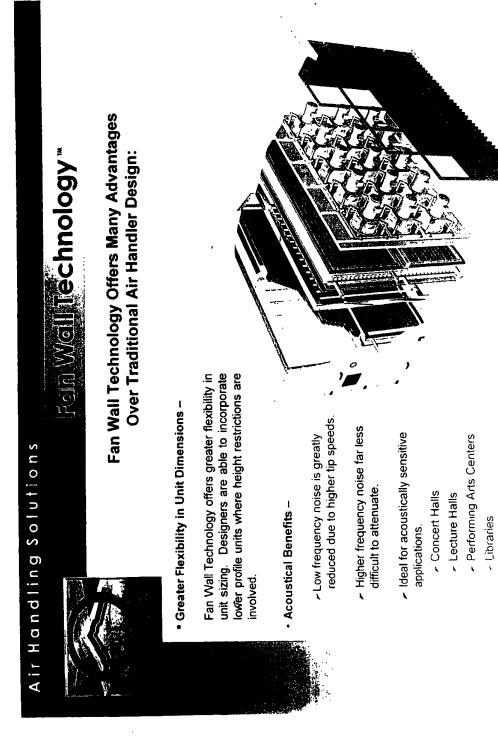
Page 2

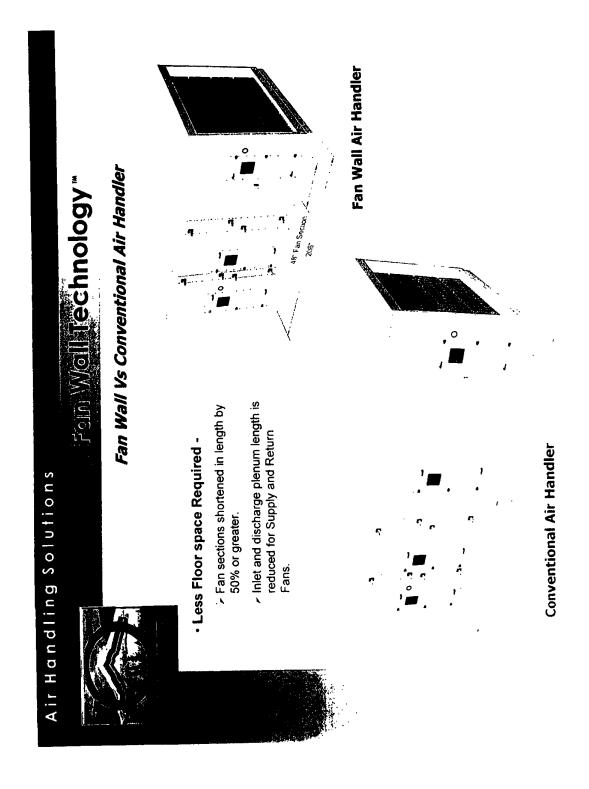
Express Mail No. EU122438272US

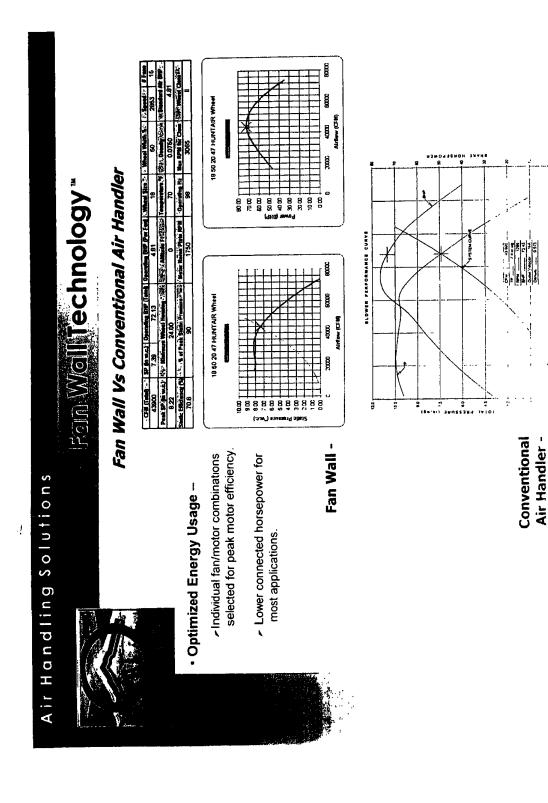
1	WHAT IS CLAIME	D IS:
2	1.	A fan array fan section in an air-handling system comprising:
3	(a)	an air-handling compartment;
4	(b)	a plurality of fan units;
5	(c)	a plurality of Coplanar Silencer compartments, each of said plurality
6		of fans positioned within a respective Coplanar Silencer
7		compartment.
8	(d)	said plurality of Coplanar Silencer compartments arranged in a fan
9		array;
10	(e)	said fan array positioned within said air-handling compartment
11		

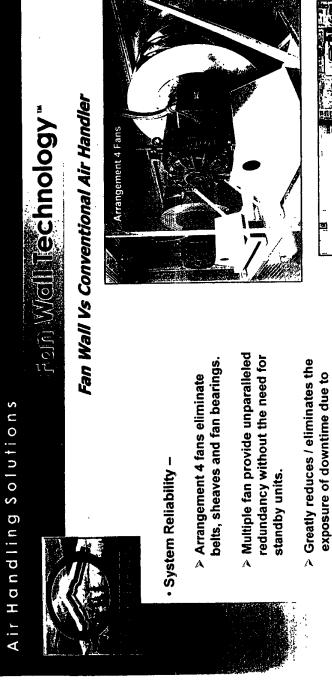


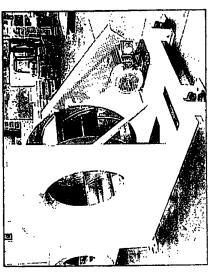
Typ Fan War Layout











> Standard "off the shelf" motors.

mechanical failure.

Air Handling Solutions

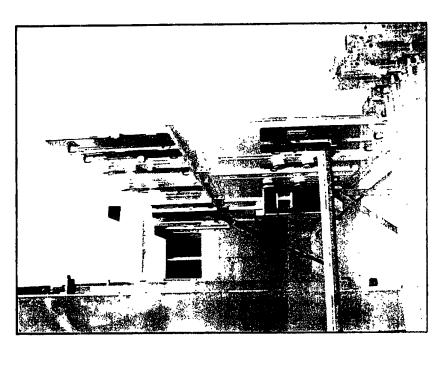
Feld Well Technology"

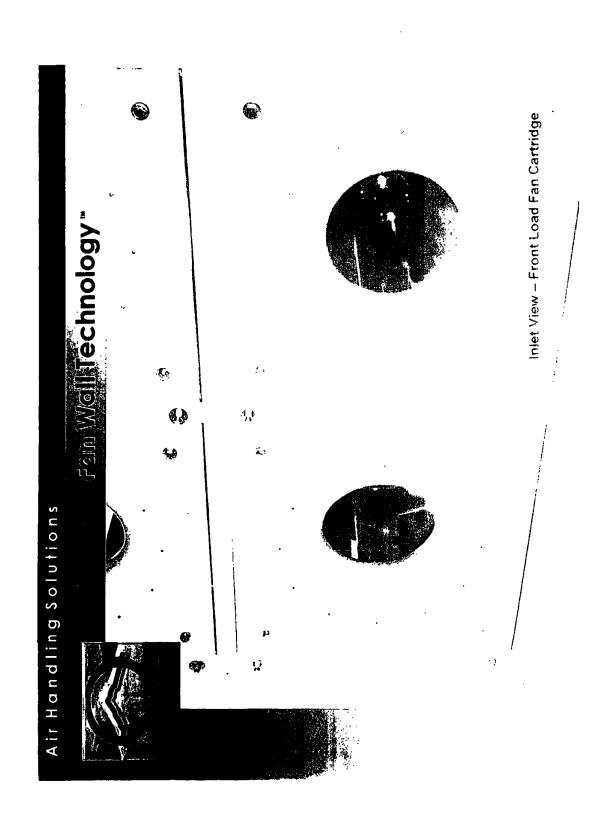
Fan Wall Vs Conventional Air Handler

in the previous slide, the twin 125 HP motors were in units that were stacked in a well in the center of a roof opening.

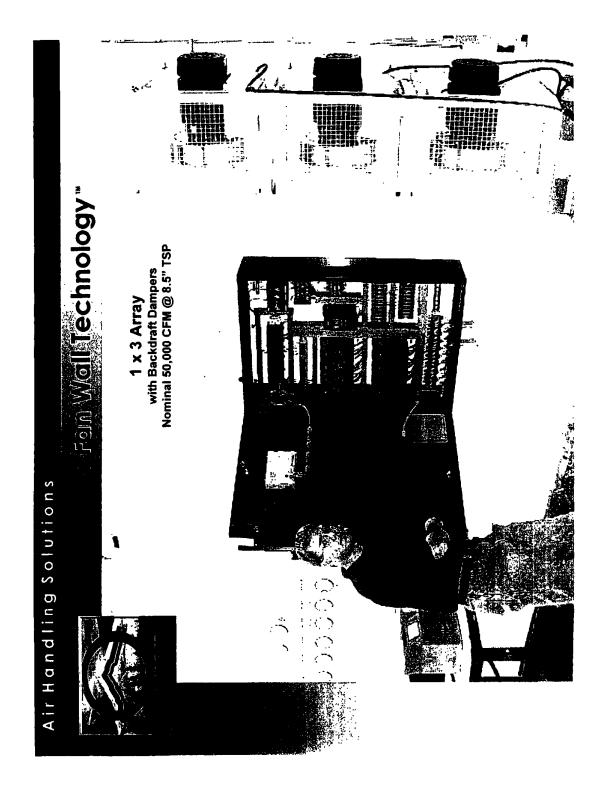
To remove a motor from the roof a crane with a boom that could extend into the building 200 feet would be required.

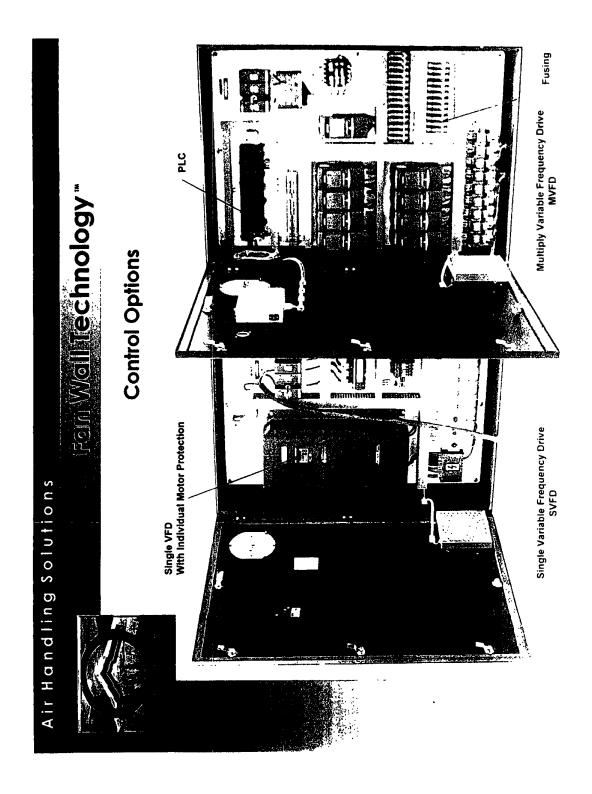
With FWT the fan / motors could be removed by two technicians from the unit and off the roof.

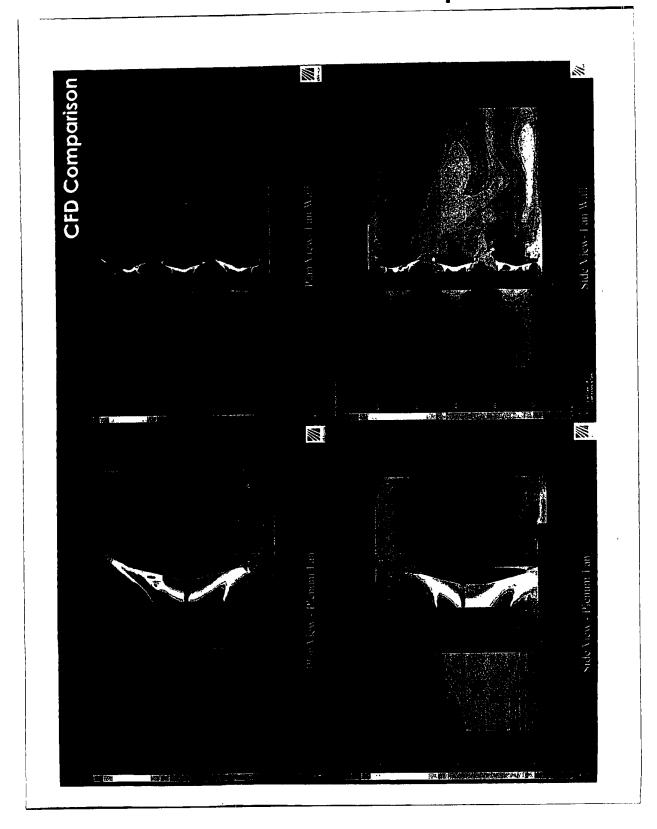


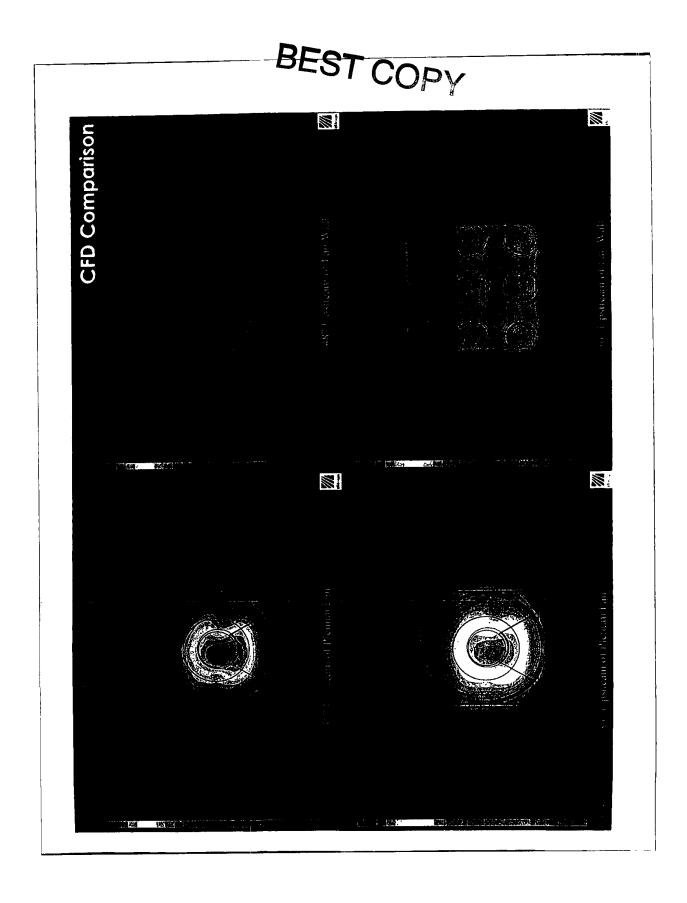


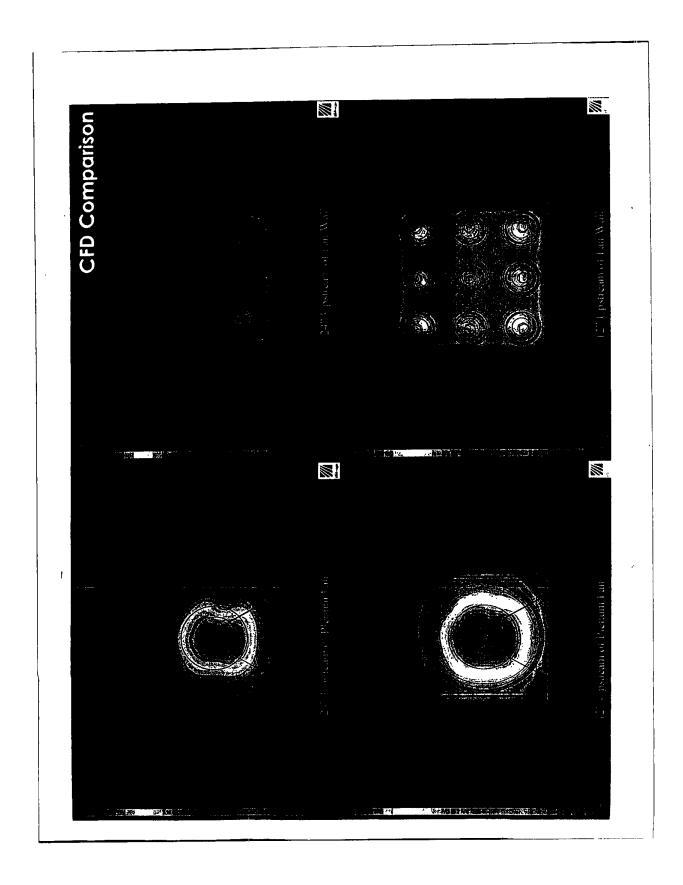


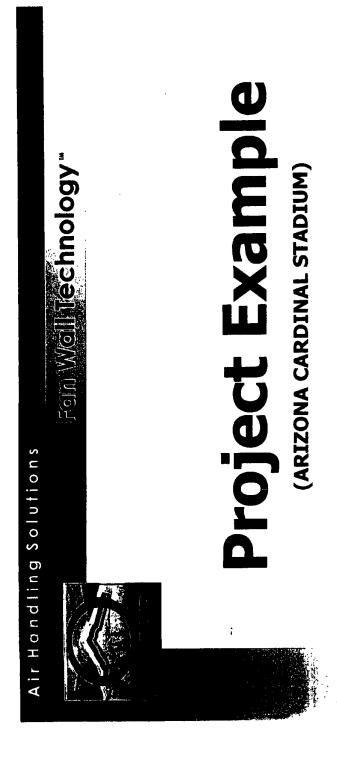


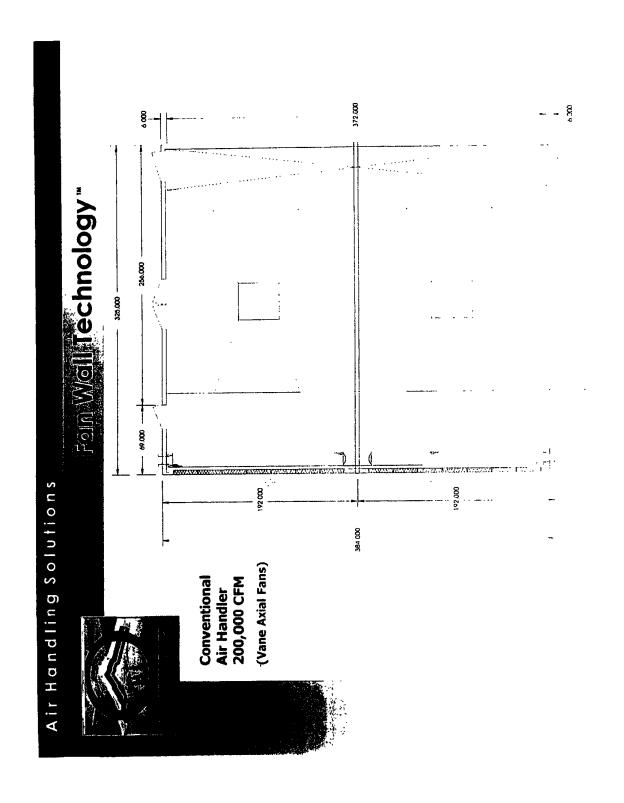


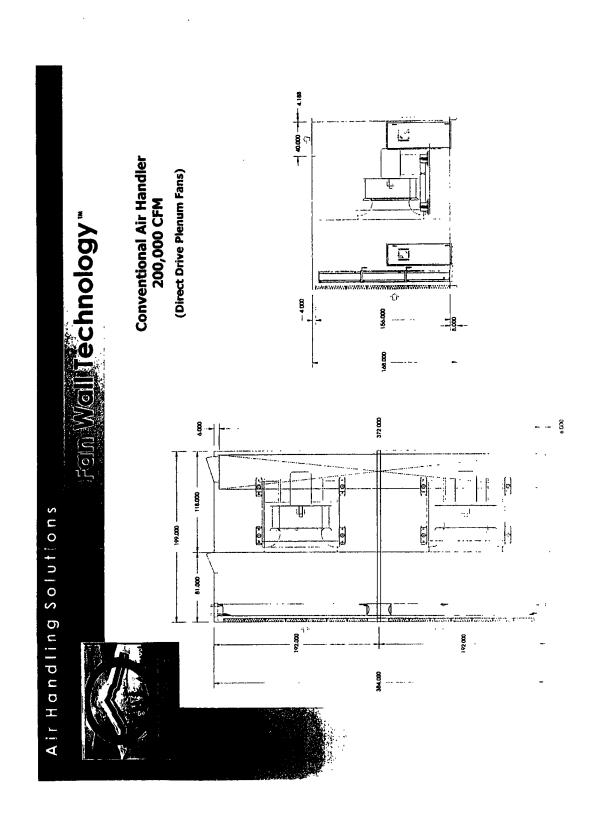


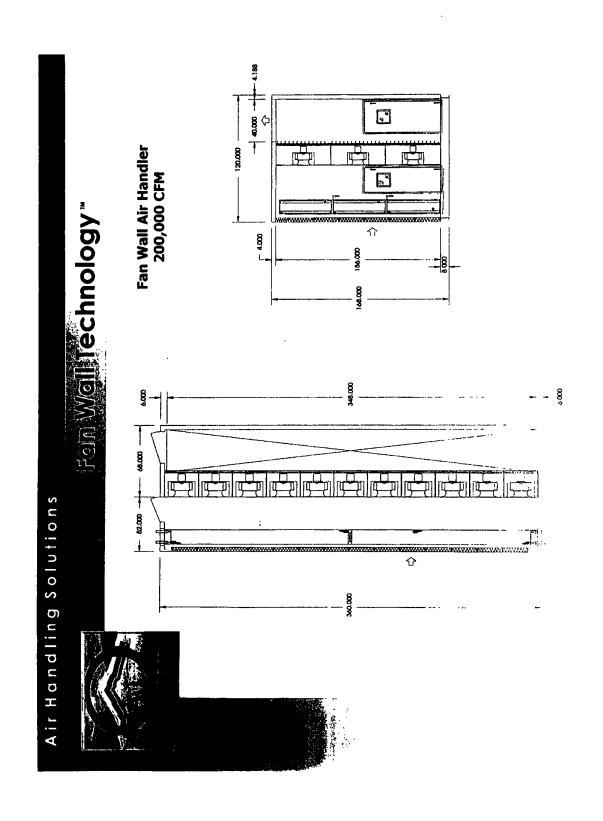


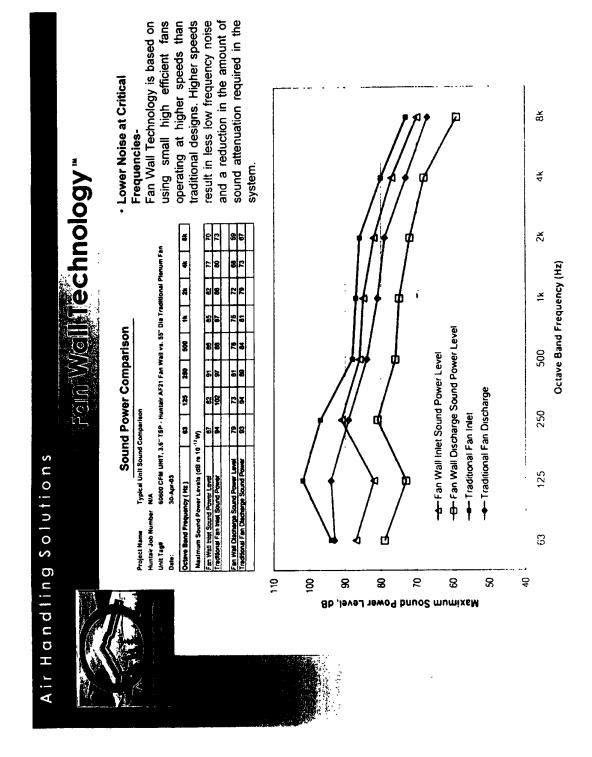


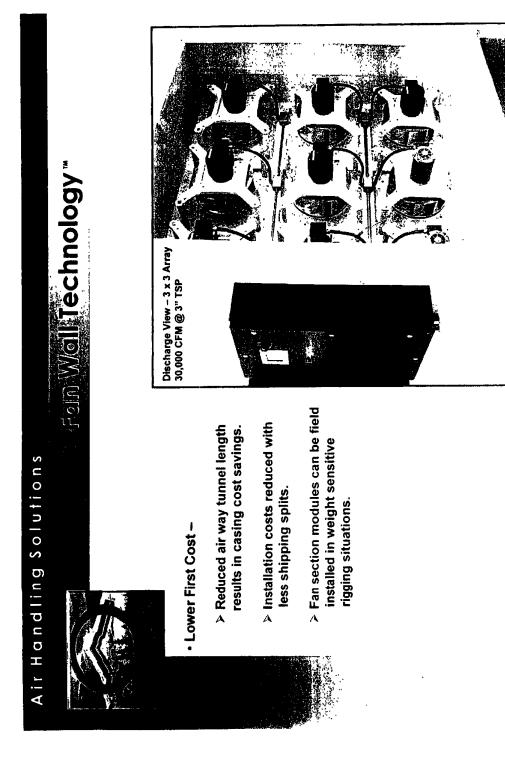




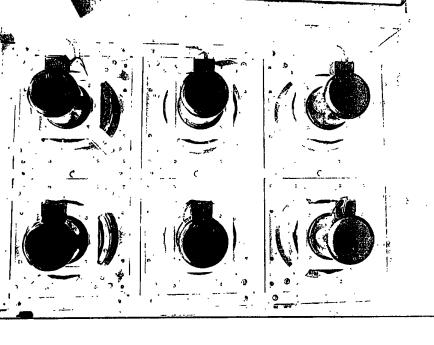








Fam Wall Technology" Solutions Air Handling



concrete inertia bases required.

All fan cartridges dynamically balanced to AMCA 204-96 Balance Grade G 2.5. (.0005 in-lb / lb rotor mass) residual unbalance at 2000 RPM.

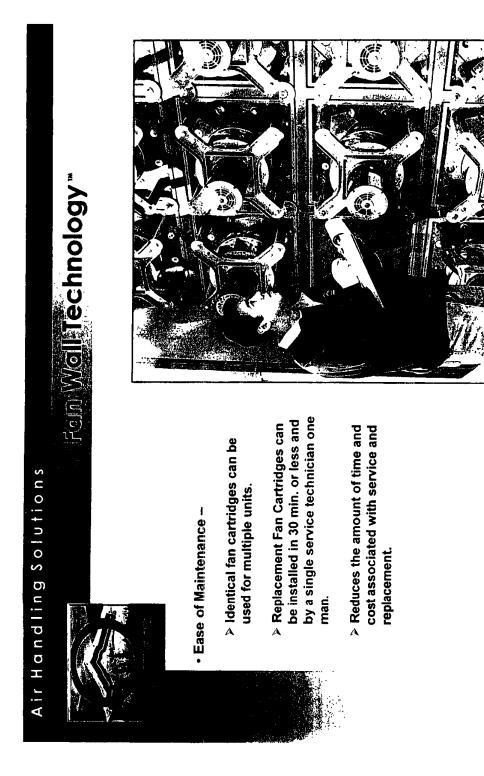
Casing collateral vibration is

Seismic and Vibration Concerns

Eliminated -

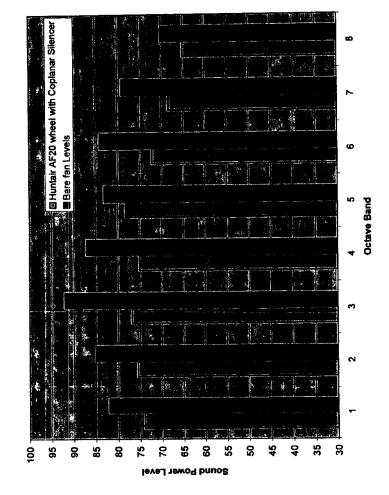
No spring isolation bases or

> Casing collateral vibration is greatly reduced or eliminated due to significant reduction in air way tunnel turbulence.

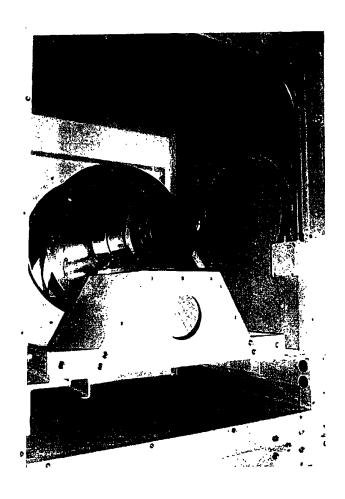


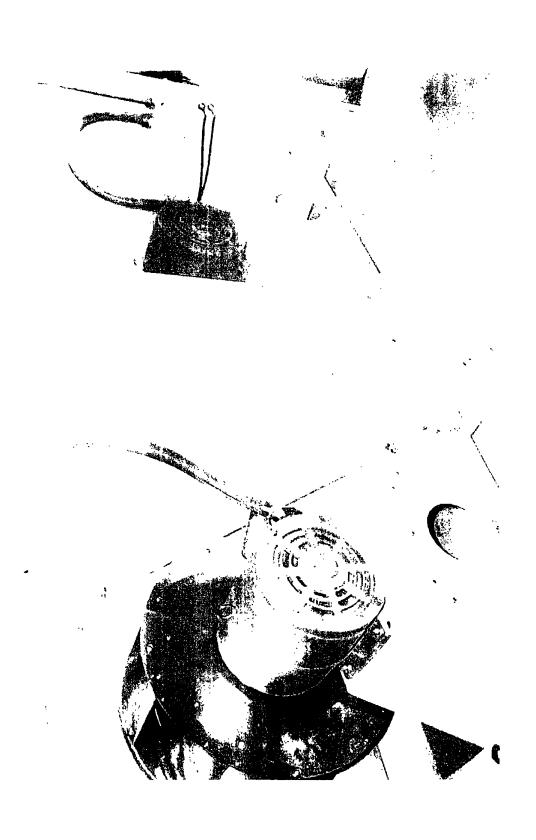


Fan Wall Technology Huntair Coplanar Silencer Package AF20, 2030 RPM, 6000 CFM, 3.7" TSP



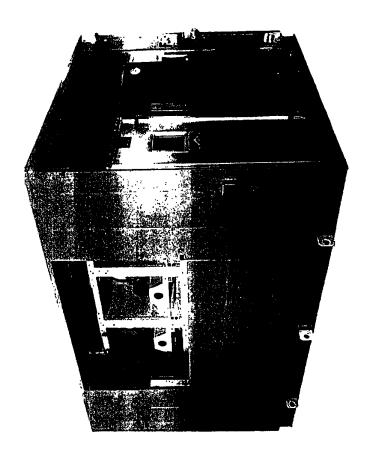












ARTIFACT SHEET

Document 55-26

Enter artifact number below. Artifact number is application number + artifact type code (see list below) + sequential letter (A, B, C ...). The first artifact folder for an artifact type receives the letter A, the second B, etc.. Examples: 59123456PA, 59123456PB, 59123456ZA, 59123456ZB

Indicate quantity of a single type of artifact received but not scanned. Create individual artifact folder/box and artifact number for each Artifact Type.

CD(s) containing computer program listing Doc Code: Computer Artifact Type Code: P
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CD(s) with content unspecified Doc Code: Artifact Type Code: U
Microfilm(s) Doc Code: Artifact Type Code: F
Video tape(s) Doc Code: Artifact
Model(s) Doc Code: Artifact
Bound Document(s) Doc Code: Artifact
Other, description: Doc Code: Artifact

06/26/2003

APPLICATION DATA SHEET

Application Information

Application Number:: Concurrently Herewith Filing Date:: March 20, 2004
Application Type:: Provisional

Application Type:: Provision Subject Matter:: Utility

Title:: FAN ARRAY FAN SECTION
IN AIR-HANDLING SYSTEMS

Attorney Docket Number:: Hunt:P2:fanarr

Request For Early Publication:: N/A
Request For Non-Publication:: N/A
Suggested Drawing Figure:: N/A
Total Drawing Sheets:: 28
Small Entity:: Yes

Applicant Information

Applicant Authority Type:: Inventor Primary Citizenship Country:: U.S.

Status:: Full Capacity
Given Name:: Lawrence

Middle Name:: G. Family Name:: Hopkins

Name Suffix::

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State Or Province Of Residence:: Oregon
Country Of Residence:: U.S.

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 (503) 638-0367

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 Karen@kdopatent.com

Representative information

Representative Customer Number:: 26790

Page #1

Initial 03/20/04

Domestic Priority Information

er! "

Application::	Continuity Type::	Parent Application::	Parent Filing Date::
This Application	An application claiming the benefit under 35 USC 119(e)	60/456,413	03/20/03

Assignee Information

Assignee Name:: HUNTAIR INC.

Oregon 11555 SW Myslony Street

Primary Citizenship Country::

Street Of Mailing Address::

City Of Mailing Address::

State Or Province Of Mailing Address::

Oregon

Oregon Tualatin Country Of Mailing Address:: USĂ Postal Or Zip Code Of Mailing Address:: 97062

CERTIFICATE UNDER 37 CFR 1.10 CERTIFICATE OF MAILING BY "EXPRESS MAIL"

Express Mail No.: EU122438272US
Date of Deposit: March 20, 2004

I hereby certify that the following documents relating to a Provisional Patent Application entitled FAN ARRAY FAN SECTION IN AIR-HANDLING SYSTEMS and invented by Larry Hopkins are being deposited with the United States Postal Service, "Express Mail Post Office to Addressee" service under 37 CFR 1.10, on the date indicated above and is addressed to Mail Stop PROVISIONAL PATENT APPLICATION, Commissioner for Patents, P.O. Box 1450; Alexandria, VA 22313-1450.

- Provisional Application for Patent Cover Sheet
- ☑ Specification (3 page(s))
- 28 sheets of drawings
- ☑ Fee Transmittal Form (in duplicate)
- ☑ A check for \$80 for the provisional filing fee
- ☑ Patent Application Data Sheet
- a return acknowledgement postcard

Karen Dana Oster

6562 					Appro	oved fo	r use throu	igh 07/:	31/2006. ON	SB/17 (10-03) #B 0651-0032
Under the Paperwork Reduction Act of 1995, no persons are requi		espond t	U.S. Pa o a colle	tent ar	nd Tradem of informati	nark Of ion uni	ffice; U.S. C	DEPAR	tment of	COMMERCE
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Effective 10/01/2003. Patent fees are subject to annual revision		First I	Named	Inven	tor Ho	pkins	3			
	·	Exam	iner Na	me	ı					
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to the above-identified deposit account.	1251	110	2251				ply within fi	inst mor	nth	
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1003 530 2003 265 Plant filing fee	1402		2402				 support of a	an appr	pal	
1004 770 2004 385 Reissue filing fee	1403	290	2403		Request f					
1005 160 2005 80 Provisional filing fee 80	1451	1,510	1451	1,510	Petition to	o institu	rte a public	: use pr	oceeding	
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	1453	1,330	2453	665	Petition to	viven a	e - uninteni	tional		
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE		1,330	2501	665	Utility issu	ue fee	(or reissue)		
Extra Claimsbelow Fee Paid	1502		2502		Design is		9			
Independent	1503		2503		Plant issu					├──-
Claims -3" ×	1460		1460				Commissio			
	1807		1807			-	under 37 C			├──
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1201 86 2201 43 Independent claims in excess of 3 1203 290 2203 145 Multiple dependent claim, if not paid			2040	-	(37 ČFR	-		mm #= *	_	
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1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent	1803	900	1802	900	Request of a design		pedited exi	aminati	on	
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**or number previously paid, if greater; For Reissues, see above	*Red	fuced by	Basic F	iling Fe	e Paid	S	UBTOTA	上 (3)	(\$)	0
SUBMITTED BY							(Complete	(if appli	icable))	
Name (Print/Type) Karen Dana Oster		Registra		T	37,621		Telephone		(503) 81	0-2560
Signature		(Allomey	CHECK!	-			Date		March 2	

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